GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

RESEARCH REPORT NO. 39
RESULTS SEAT BELT SURVEY
JUNE 12, 1987

Policy Development & Planning
Department of Transportation
St. John's, Newfoundland

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DEPARTMENT OF TRANSPORTATION

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Due to the relocation of traffic from the Foxtrap Access Road to the new Manuals Arterial (Route 2) our survey area has been changed to coincide with this traffic movement.

SPECIFIC SURVEYS

1. Manuals Highway to Trans Canada Highway, T. Beckett: The June 1987 survey, Table 4, indicates a decrease in seat belt use to 65.0% from the June 1986 value of 70.8% on the Foxtrap Access Road.

2. Roaches Line Access to Trans Canada Highway, E. Murray: The June 1987 survey, Table 5, indicates a decrease in seat belt use to 86.1% from the 1986 value of 88.5%.

3. Harbour Arterial Ramp to Water Street, J. Murphy: Data shown on Table 6 reveal a slight increase in seat belt use to 77.7% from the 1986 value of 77.1%.

4. Village Mall, J. Murphy: The June 1987 survey, Table 7, indicates an increase in seat belt use to 82.0% from the June 1986 value of 63.0%.

5. Hotel Newfoundland, D. Shea: The June 1987 survey, Table 8, indicates an increase in seat belt use to 76.2% from the 1986 value of 69.2%.

6. Avalon Mall, J. Murphy: The June survey, Table 9, indicates an increase in seat belt use to 77.0% from the June 1986 value of 67.0%.

7. Janeway Hospital, J. Murphy: The June survey, Table 10, indicates a decrease in seat belt use to 65.0% from the June 1986 value of 67.1%.

8. Bay Roberts, E. Murray: The June survey, Table 11, indicates an increase in seat belt use to 72.1% from the June 1986 value of 65.8%.

9. Confederation Building Exit, J. Murphy: The June survey, Table 12, shows a seat belt wearing rate of 55.0%, down from the June 1986 value of 71.3%.

10. Clarenville, W. Wiseman: The June survey, Table 13, shows an increase in seat belt use to 63.5% from the June 1986 rate of 55.3%.

11. Grand Falls, S. Gillingham & V Young: The June survey, Table 14, indicates an increase in seat belt use to 73.1% from the June 1986 value of 66.6%.

12. Labrador City, F. Hiscock: The June survey, Table 15, shows a seat belt wearing rate of 32.9%.

STATISTICAL TABLES
June 12, 1987

Table 1
June 12, 1987

SEAT BELT SURVEY

AREA: Provincial

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 27
16-24	86	70	156	
25-44	602	422	1024	
45-64	266	79	345	
65+	90	16	106	
TOTAL	1044	587	1631	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 9
16-24	83	26	109	
25-44	392	152	544	
45-64	110	25	135	
65+	22	1	23	
TOTAL	607	204	811	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 1.5
16-24	50.9	72.9	58.9	
25-44	60.6	73.5	65.3	
45-64	70.7	76.0	71.9	
65+	80.4	94.1	82.2	
TOTAL	63.2	74.2	66.8	

Table 2
June 12, 1987

SEAT BELT SURVEY

AREA: Urban

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 10
16-24	50	49	99	
25-44	431	363	794	
45-64	218	70	288	
65+	79	15	94	
TOTAL	778	497	1275	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 6
16-24	62	20	82	
25-44	323	142	465	
45-64	103	24	127	
65+	20	1	21	
TOTAL	508	187	695	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0.8
16-24	44.6	71.0	54.7	
25-44	57.2	71.9	63.1	
45-64	67.9	74.5	69.4	
65+	79.8	93.8	81.7	
TOTAL	60.5	72.7	64.7	

Table 3
June 12, 1987

SEAT BELT SURVEY

AREA: Highway

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 17
16-24	36	21	57	
25-44	171	59	230	
45-64	48	9	57	
65+	11	1	12	
TOTAL	266	90	356	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 3
16-24	21	6	27	
25-44	69	10	79	
45-64	7	1	8	
65+	2	0	2	
TOTAL	99	17	116	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 4.2
16-24	63.2	77.8	67.9	
25-44	71.3	85.5	74.4	
45-64	87.3	90.0	87.7	
65+	84.6	100.0	85.7	
TOTAL	72.9	84.1	75.4	

Table 4
June 12, 1987

SEAT BELT SURVEY

AREA: Manuels Highway at Intersection of Route 60

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	15	3	18	
25-44	56	18	74	
45-64	20	5	25	
65+	0	0	0	
TOTAL	91	26	117	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	16	3	19	
25-44	35	6	41	
45-64	2	1	3	
65+	0	0	0	
TOTAL	53	10	63	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0.0
16-24	48.3	50.0	48.6	
25-44	61.5	75.0	64.3	
45-64	90.9	83.3	89.3	
65+	-	-	-	
TOTAL	63.2	72.2	65.0	

Table 5
June 12, 1987

SEAT BELT SURVEY

AREA: Roaches Line at Interesection with TCH

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	7	5	12	
25-44	65	19	84	
45-64	21	2	23	
65+	4	1	5	
TOTAL	97	27	124	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	1	0	1	
25-44	13	2	15	
45-64	3	0	3	
65+	1	0	1	
TOTAL	18	2	20	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	87.5	100.0	92.3	
25-44	83.3	90.5	84.8	
45-64	87.5	100.0	88.5	
65+	80.0	100.0	83.3	
TOTAL	84.3	93.1	86.1	

Table 6
June 12, 1987

SEAT BELT SURVEY

AREA: Harbour Arterial at Ramp to Water Street

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 17
16-24	14	13	27	
25-44	50	22	72	
45-64	7	2	9	
65+	7	0	7	
TOTAL	78	37	115	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 3
16-24	4	3	7	
25-44	21	2	23	
45-64	2	0	2	
65+	1	0	1	
TOTAL	28	5	33	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 13.5
16-24	77.8	81.3	79.4	
25-44	70.4	91.7	75.8	
45-64	77.8	100.0	81.8	
65+	87.5	-	87.5	
TOTAL	73.6	88.1	77.7	

Table 7
June 12, 1987

SEAT BELT SURVEY

AREA: Village Mall

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 5
16-24	5	3	8	
25-44	28	26	54	
45-64	9	4	13	
65+	7	0	7	
TOTAL	49	33	82	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	3	0	3	
25-44	10	1	11	
45-64	1	1	2	
65+	2	0	2	
TOTAL	16	2	18	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 5.0
16-24	62.5	100.0	72.7	
25-44	73.7	96.3	83.1	
45-64	90.0	80.0	86.7	
65+	77.8	-	77.8	
TOTAL	75.4	94.3	82.0	

Table 8
June 12, 1987

SEAT BELT SURVEY

AREA: Hotel Newfoundland

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	1	1	2	
25-44	47	32	79	
45-64	11	5	16	
65+	2	0	2	
TOTAL	61	38	99	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	0	1	1	
25-44	14	9	23	
45-64	6	0	6	
65+	1	0	1	
TOTAL	21	10	31	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	100.0	50.0	66.7	
25-44	77.0	78.0	77.5	
45-64	64.7	100.0	72.7	
65+	66.7	-	66.7	
TOTAL	74.4	79.2	76.2	

Table 9
June 12, 1987

SEAT BELT SURVEY

AREA: Avalon Mall

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	4	3	7	
25-44	36	19	55	
45-64	10	0	10	
65+	5	0	5	
TOTAL	55	22	77	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	4	1	5	
25-44	13	4	17	
45-64	0	0	0	
65+	1	0	1	
TOTAL	18	5	23	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	50.0	75.0	58.3	
25-44	73.5	82.6	76.4	
45-64	100.0	-	100.0	
65+	83.3	-	83.3	
TOTAL	75.3	81.5	77.0	

Table 10
June 12, 1987

SEAT BELT SURVEY

AREA: Janeway Hospital

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 4
16-24	2	3	5	
25-44	23	15	38	
45-64	12	6	18	
65+	4	0	4	
TOTAL	41	24	65	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 4
16-24	2	1	3	
25-44	17	5	22	
45-64	7	3	10	
65+	0	0	0	
TOTAL	26	9	35	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 8.0
16-24	50.0	75.0	62.5	
25-44	57.5	75.0	63.3	
45-64	63.2	66.7	64.3	
65+	100.0	-	100.0	
TOTAL	61.2	72.7	65.0	

Table 11
June 12, 1987

SEAT BELT SURVEY

AREA: Bay Roberts

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	9	9	18	
25-44	92	79	171	
45-64	55	11	66	
65+	30	9	39	
TOTAL	186	108	294	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	7	2	9	
25-44	58	12	70	
45-64	23	5	28	
65+	7	0	7	
TOTAL	95	19	114	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	56.3	81.8	66.7	
25-44	61.3	86.8	71.0	
45-64	70.5	63.8	70.2	
65+	81.1	100.0	84.8	
TOTAL	66.2	85.0	72.1	

Table 12
June 12, 1987

SEAT BELT SURVEY

AREA: Confederation Building West Exit

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 1
16-24	2	4	6	
25-44	20	18	38	
45-64	6	3	9	
65+	2	0	2	
TOTAL	30	25	55	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 2
16-24	2	2	4	
25-44	23	12	35	
45-64	1	1	2	
65+	3	1	4	
TOTAL	29	16	45	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 3.0
16-24	50.0	66.7	60.0	
25-44	46.5	60.0	52.1	
45-64	85.7	75.0	81.8	
65+	40.0	-	33.3	
TOTAL	50.8	61.0	55.0	

Table 13
June 12, 1987

SEAT BELT SURVEY

AREA: Clarenville

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	11	14	25	
25-44	79	66	145	
45-64	45	13	58	
65+	19	1	20	
TOTAL	154	94	248	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	18	4	22	
25-44	68	29	97	
45-64	18	4	22	
65+	1	0	1	
TOTAL	105	37	142	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	37.9	77.8	53.2	
25-44	53.7	69.5	59.9	
45-64	71.4	76.5	72.5	
65+	95.0	100.0	95.2	
TOTAL	59.5	71.8	63.6	

Table 14
June 12, 1987

SEAT BELT SURVEY

AREA: Grand Falls

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total
16-24	12	10	22
25-44	79	62	141
45-64	61	23	84
65+	9	5	14
TOTAL	161	100	261

Child Seats = 0

NOT USING SHOULDER HARNESS

	Male	Female	Total
16-24	6	1	7
25-44	43	17	60
45-64	20	5	25
65+	4	0	4
TOTAL	73	23	96

Child Seats = 0

WEARING PERCENTAGE

	Male	Female	Total
16-24	66.7	90.9	75.9
25-44	64.8	78.5	70.1
45-64	75.3	82.1	77.1
65+	69.2	100.0	77.8
TOTAL	68.8	81.3	73.1

% Child Seats = 0

Table 15
June 12, 1987

SEAT BELT SURVEY

AREA: Labrador City

SHOWING USE OF SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	4	2	6	
25-44	27	46	73	
45-64	9	5	14	
65+	1	0	1	
TOTAL	41	53	94	

NOT USING SHOULDER HARNESS

	Male	Female	Total	# Child Seats = 0
16-24	20	8	28	
25-44	77	53	130	
45-64	27	5	32	
65+	1	0	1	
TOTAL	125	66	191	

WEARING PERCENTAGE

	Male	Female	Total	% Child Seats = 0
16-24	16.7	20.0	17.7	
25-44	26.0	46.5	36.0	
45-64	25.0	50.0	30.4	
65+	50.0	-	50.0	
TOTAL	24.7	44.5	33.0	

RESEARCH REPORTS

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8.	A Discussion on the Methodology to Determine Environmental Guidelines for Highway Construction	80 12
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